

## CHAPTER OVERVIEW

### 11: Solutions

A solution is a *homogeneous mixture*-a mixture of two or more substances that are so intimately mixed that the mixture behaves in many ways like a single substance. Many chemical reactions occur when the reactants are dissolved in solution. In this chapter, we will introduce concepts that are applicable to solutions and the chemical reactions that occur in them.

[11.1: Prelude to Solutions](#)

[11.2: Definitions](#)

[11.3: Quantitative Units of Concentration](#)

[11.4: Dilutions and Concentrations](#)

[11.5: Concentrations as Conversion Factors](#)

[11.6: Colligative Properties of Solutions](#)

[11.7: Colligative Properties of Ionic Solutes](#)

[11.E: Solutions \(Exercises\)](#)

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